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DIVISION OF MINING AND SOLID WASTE PERMITTING
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SUPPLEMENT TO APPLICATION FOR A MINE OPERATING PERMIT
MINING IN STREAMS, RIVERS, LAKES, ESTURINE & OCEAN
FORM MR-420SD DATE VERSION ADOPTED -- April 1, 1995

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This supplement to the Application for a Mine Operating Permit must also be completed when applying for a Mine Operating Permit for extracting natural mineral solids from the bed of a river, stream, creek, estuary, Atlantic Ocean or any other water body within South Carolina. This supplement provides specific information to the proposed operation that the basic application package does not address. Since the predominant mining within water bodies in South Carolina involves rivers or large streams in the Piedmont, terminology used in this supplement will apply accordingly. However, if a proposed mining operation is in a lake, estuary, or oceanic setting; use proper terminology for that setting.

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SECTION I - GENERAL INFORMATION

1. Name of stream, river, lake, estuary or other type of water body where proposed mining will occur. Fishing Creek

2. Are there any bridges, pipelines or other structures that cross the river within one mile of where mining is proposed? If so, indicate number, distance (feet) and direction (up or down river) Yes, the nearest bridge is approximately 1920 ft - downstream of the proposed mine.

3. Average width of river where mining will occur? 73 feet

4. Depth of water during normal river flow? 1 feet.
Approximate depth of water during flooding conditions? 13 feet.
Depth of mining below the solids/water interface? 6 feet.

5. Is there any boat traffic along the river where mining will occur? Estimate types of boats and amount of traffic during a given month.

No

6. Provide following information concerning dams and rapids on the river where mining is proposed.

Nearest rapid or shoal area -- none feet downstream; none feet upstream

Nearest dam -- none feet downstream; none feet upstream

SECTION II -- HYDRAULIC DREDGE, SAND PUMPING

Complete SECTION II if mining operation involves the use of a hydraulic dredge, sand pump or similar type equipment.

1. Provide maximum distance upstream and downstream from processing plant where dredge will conduct mining operations.

   Upstream _____ feet Downstream _____ feet

2. Minimum distance cutter head or intake to dredge will approach river bank during mining. _____ feet

3. Distance from edge of river to processing plant (must be a minimum of 50 feet). _____ feet.

   Provide number of access points to the river. _____

4. Describe precautions to be taken to prevent danger to the general public. Discuss the following: Placement and location of DANGER SIGNS; height, number and location of cables during operations; height, number and location of cables when dredge is inactive; methods to increase and maintain visibility of cables.

SECTION III -- RIVER BANK MINING

River bank mining means where excavating equipment (e.g. dragline, trackhoe, backhoe) removes sand or other mineral solids from the river bed while sitting on the river bank.

Properties owned by different land owners on the opposite side of the river and the property line is the center line of the river will require Land Entry Agreement(s) if mining equipment reaches across the property line.

1. Provide total distance along the river where mining is proposed. 1050 feet.

2. How will river bank be protected during mining? The larger trees will be cut as needed for operation of the dragline. The stumps will remain in place. Smaller trees and underbrush will remain. Therefore, native vegetative growth will be allowed to remain on the river bank.

3. How will storm water runoff from the stockpile/mining area on the river bank be controlled? The stockpile area will be surrounded with perimeter berms with sediment traps located at the lowest point of the topography. Discharge from the sediment traps will be away from the river banks.

SECTION IV – MINE MAP
Additional information to be included on MINE MAP.

AA. Indicate entire section of river where mining will occur. Indicate setbacks between mining and bridges, pipeline crossing and other structures that may extend out into the river.

BB. Show buffer zones along river bank that will not be cleared or disturbed.

CC. Identify point(s) of access to the river indicating maximum width of clearing of natural river bank vegetation at each access point.

DD. Show route of slurry pipe from dredge to plant.

EE. Provide typical cross section of river channel before mining and after mining.

SECTION V – RECLAMATION

SUPPLEMENT TO RECLAMATION PLAN
MINING IN STREAMS, RIVERS, LAKES, ESTURINE & OCEAN

1. Describe restoration of river bank upon termination of mining. Provide information on sloping, permanent bank stabilization, and revegetation.

The natural vegetation, with the exception of some of the larger trees, will remain in-place.